AMERICAN JOURNAL

OF

OPHTHALMOLOGY

THIRD SERIES FOUNDED BY EDWARD JACKSON

VOLUME 45
JANUARY-JUNE, 1958

EDITORIAL STAFF

DERRICK VAIL, *Editor-in-Chief*
LAWRENCE T. POST, *Consulting Editor*
ALAN C. WOODS, *Consulting Editor*

BERNARD BECKER
WILLIAM L. BENEDICT
FREDERICK C. CORDES
SIR STEWART DUKE-ELDER
EDWIN B. DUNPHY
F. HERBERT HAESSLER
PARKER HEATH
S. RODMAN IRVINE
JAMES E. LEBENSOHN
DONALD J. LYLE
WILLIAM A. MANN
P. ROBB MCDONALD
A. EDWARD MAUMENEE
FRANK W. NEWELL
JOHN V. V. NICHOLLS
ALGERNON B. REESE
PHILLIPS THYGESON
M. URIBE TRONCOSO

KATHERINE FERGUSON CHALKLEY, *Manuscript Editor*
MILDRED SKINNER, *Advertising and Business Manager*

COLLABORATORS

JOSEPH E. ALFANO, *Chicago;* EUGENE M. BLAKE, *New Haven;* FREDERICK C. BLODI, *Iowa City;* SYLVAN BRANDON, *Houston;* JAMES W. BRENNAN, *Buffalo;* WILLIAM C. CACCAMISE, *Rochester, New York;* ALSTON CALLAHAN, *Birmingham;* BEULAH CUSHMAN, *Chicago;* RAY K. DAILY, *Houston;* ALICE R. DEUTSCH, *Memphis;* OLGA FERRER, *Havana, Cuba;* LAWRENCE L. GARNER, *Milwaukee;* IRWIN E. GAYNON, *Milwaukee;* BERTHA T. HAESSLER, *Milwaukee;* HARRY HORWICH, *New York;* MORRIS KAPLAN, *Denver;* PETER C. KRONFELD, *Chicago;* JAMES E. LEBENSOHN, *Chicago;* JOHN C. LOCKE, *Montreal, Canada;* R. T. LOWE, *Melbourne, Australia;* GYULA LUGOSSY, *Budapest, Hungary;* WALTER MAYER, *Richmond, Virginia;* PAUL W. MILES, *Saint Louis;* YUKIHIKO MITSUI, *Kumamoto, Japan;* ERNST SCHMERL, *Toledo;* THEODORE M. SHAPIRA, *Chicago;* DAVID SHOCH, *Chicago;* OLGA SITCHEVSKA, *New York;* JOHN J. STERN, *Utica, New York;* V. TABONE, *Juliano, Malta;* PHILLIPS THYGESON, *San Jose, California;* GEORGE S. TYNER, *Denver;* A. URRETS-ZAVALIA, JR., *Cordoba, Argentina.*

PUBLISHED BY THE OPHTHALMIC PUBLISHING COMPANY
664 North Michigan Avenue, Chicago 11, Illinois

SUBJECT INDEX

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the April issue.

A

Aberdeen, adenovirus eye infections in, 486
ABSTRACTS: 140, 318, 462, 588, 748
1. Anatomy, embryology, and comparative ophthalmology: 140, 462, 748, 952
2. General pathology, bacteriology, immunology: 141, 463, 749, 952
3. Vegetative physiology, biochemistry, pharmacology, toxicology: 142, 464, 750, 953
4. Physiologic optics, refraction, color vision: 147, 468, 756, 958
5. Diagnosis and therapy: 152, 472, 760, 960
6. Ocular motility: 157, 484, 768, 961
7. Conjunctiva, cornea, sclera: 160, 318, 485, 772, 962
8. Uvea, sympathetic disease, aqueous: 165, 319, 491, 780
9. Glaucoma and ocular tension: 171, 321, 492, 782
10. Crystalline lens: 174, 323, 588, 789
11. Retina and vitreous: 175, 324, 589, 790
12. Optic nerve and chiasm: 177, 326, 595, 793
13. Neuro-ophthalmology: 179, 327, 596, 794
14. Eyeball, orbit, sinuses: 180, 328, 598, 796
15. Eyelids, lacrimal apparatus: 182, 329, 601, 796
16. Tumors: 183, 330, 603, 797
17. Injuries: 331, 604, 797
18. Systemic disease and parasites: 332, 604, 797
19. Congenital deformities, heredity: 337, 609, 800
20. Hygiene, sociology, education and history: 338, 610, 800
ACCOMMODATION: changes in ciliary band during, 472
convergence and, 722, 958
curve, examined by Colenbrander's method, 959
distance between eye and lens, 760
electric activity of eye during, 717
exercise for, 960
potential at rest and, 142
role sympathetic in, 468
Acetazolamide, epinephrine and, in chronic glaucomas, 639
See also Diamox
Acetylcholine, synthesis in corneal epithelium, 464
Acromegaly, diabetes and, 333
Acrylic, fast-polymerizing in orbital tumor, 181
lens, in anterior chamber, 324
ACTH, effect on retinal metabolism, 752
in vernal conjunctivitis, 776
Adaptation, 470
monocular, dark adaptation and, 469
Adaptinol, effect on retinal sensitivity to light, 754
Adaptometry, in amblyopia of strabismus, 771
Adenoma, of pituitary, arcuate field defects due to, 505
Adenovirus, eye infections in Aberdeen, 486
See also Virus, adeno-
Adrenal gland, exophthalmos and, 292
Africa, blindness incidence in, 344
congenital anomalies in, 344
eye diseases in, 343
glaucoma in, 356
onchocerciasis in, 343
tropical eye infections in, 355
After-image, examination, 763
to treat amblyopia, 759
Age, effect on lens metabolism, 143
Aged, oculomotor paralyses in, 158
Akinesia, of orbicularis oculi, 442
Alkaptonuria, 336
ALLERGY, bacteria and, 953
blister-plaster test in eye, 480
corneal transplantation and, 953
corticosteroids and, 435
fungus infections and, 952
lens proteins and, 463
lens swelling and transient myopia due to, 434
Metreton in, 27
of conjunctiva, foci of infection in, 490
ocular, treatment of, 435
study of ocular, 953
Amaurosis fugax, 792
Amaurotic idiocy, 590
AMBLYOPIA: After-image test to treat, 759
care after re-education in, 151
color discrimination to treat, 151
electro-encephalogram in, 148
electro-oculogram in, 159
to study fixation in, 158
ex anopsia, in infants, 760
treatment of by pointing, 148
false light fixation to treat, 756
fixation in, 147, 923
of strabismus, adaptometry in, 771
physiopathologic factors in, 152
pleioptic treatment in, 758
toxic, due to 6-Mercaptopurine, 480
treatment of, 149
Amebiasis, choroiditis and, 166
Anatomy of eye, Neoprene casts to study, 462
Anemia, sickle-cell, eye manifestations of, 606
ANESTHESIA: 478
general, 156, 731
mortality rates during, 847
local, of sphenoidal fissure, in strabismus surgery, 485
potentialization of, 482
preoperative medication and, 478, 762, 767
Primacaine HCl in, 961
solution Dyclone in, 671
surface, Cornecaine for, 465
Aneurysm, carotid, optic nerve atrophy and, 794
conjunctival, in diabetes, 488
Angioma, of choroid, 780
Angiospasm, blindness due to, 767
Anisocoria, frontal lobe lesions and, 883
Aniseikonia, image alteration to determine, 253
Anophthalmos, 714
congenital, 601, 800
cysts of orbit and, 796
pedigree of, 337
Anoxia, retinal ischemia and, *79
ANTERIOR CHAMBER: acrylic lens in, 324
angle, electron microscopy of, 115
studies on, 321
width and pigmentation of, 157
drainage, conjunctival lymphatics and, 140
effect of ointment in, 473
epithelial invasion of, 588
surgery for, 479
epithelial transplantation into, 927
filtration, pore size and, 748
hemorrhage, epinephrine in, 174
hyaluronidase in, 65
I^{131}-labelled insulin in, movement of, 121
lipoidosis of, in diabetic iritis, 319
outflow pressure of, 144
trabecular meshwork of, 751
Anterior segment, ultraviolet luminescence of, 924
virus diseases of, 472
Antibiotics, broad-spectrum, 137
choice of, in external infections, 141
in dacryocystitis, 601
in diphtheria, 960
penetration of, 143
producing micro-organisms, 141
Antibodies, concentration in cornea, 141
Anticoagulants, in retinal vein thrombosis, 326, 593
Antigen-antibody reactions, effect X rays on intraocular, 293
Antihistamines, in vernal conjunctivitis, 776
Aphakia, dark adaptation in, 471
monocular, contact lenses in, 469
temporary lens for, 756
AQUEOUS: carbon dioxide in, 958
electrophoresis of, in inflammations, 473
flow, blood:aqueous barrier and, 128
effect dichlorphenamide and chlorthiazide on, 929

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

AQUEOUS *(continued)*
formation and elimination of, 146
fluorescein entrance into, 465
in leprosy, 153
in uveitis, electrophoresis of, 755
OUTFLOW: after cyclodialysis, 786
cataract extraction and, 324
effect phospholine iodide on, **929**
influence sympathectomy on, 144
obstruction to, experimental, 322
patterns, in cat eye, **724**
resistance, test of, 785
parasympathomimetic activities of, 463
plasma and, osmotic pressures of, **121**
proteins of, 955
radio-electrophoresis of, **716**
secretion, effect beta radiation on, **724**
effect Pentolinium on, **929**
steady-state tritiated water in, **929**
serum and, osmotic pressures of, 751
veins, pressure in, 466
Arachnoid, aspidium poisoning and, 956
hemorrhage, in children, 795
Arachnoiditis, typhoid-paratyphoid vaccine producing, 955
Arteriopathies, 608
Arteriosclerosis, eye in, 606
hypertension and, diagnosis of, **81**
Arteritis, temporal, **573**
ocular lesions of, **617**
treatment of, **617**
Arthritis, keratomalacia and, 773
rheumatoid, eye manifestations of, 605
Ascarid, under conjunctiva, 605
Aspidium poisoning, effect on arachnoid, optic nerve and retina, 956
Asteroid hyalitis, 593
Atomic flash, retinal burns due to, 604
Atopy, conical cornea and, **904**
ATP, effect on cone action potential, 145
Australia, eye findings in natives of Warburton range, 610
trachoma in, 161

B

Bacilli, Morax-Axenfeld, culture of, 463
Bacteria, allergy and, 953
Bacitracin, in ophthalmia neonatorum, 764
Bee, sting of cornea, 604
Behcet's syndrome, **307**, 606
nervous system involvement in, 334
Besnier-Boeck-Schaumann sarcoid, orbital bone involvement in, **407**
Beta irradiation: See under Radiation
Bicarbonate ion, in intraocular fluids, **724**
Bleeding, control with Hydergin, 481
Blennorrhea, prophylaxis in newborn, 481
Blepharoplasty, for carcinoma of eyelids, 330
Blepharoptosis, levator advancement and resection without tarsectomy for, *229
Blepharorrhaphy, hypnosis during, 762
Blepharospasm, bilateral, 183
frontal lobe lesions and, **899**
Blepharostat, 761
BLIND: Hadley School for, **533**
rehabilitation of, facilities for, **583, 585**
BLINDNESS: after antisyphilitic treatment, 479
cerebral, electro-encephalogram in, 794
due to angiospasm, 767
due to cyst of sphenoid sinus, 599
eugenic problems in, prevention of, 611
in Africa, **344**
National Committee for Research in, **130**
organic or psychic, differentiation of, 771
posthemorrhagic, 605
Bloch-Sulzberger syndrome, **265**
BLOOD: carbon dioxide in, 958
aqueous barrier, permeability of, infection and, 468
circulation of eye, hypertension and, **302**
BLOOD *(continued)*
flow of eye, 144
pressure, capillary, retinal function, glaucoma and, **71**
uveoretinal ratios, 145
serum, exophthalmogenic factor in, 142
supply, of chiasm, 762
of optic nerve, 762
types, corneal transplantation and, **928**
vessels, arteriopathies of, 608
artery, aneurysm of ophthalmic, 475
disease of, 606
permeability of, in brain and eye, 464
X-ray pattern of ophthalmic, 474
BOOK REVIEWS:
Coates, John Boyd, Jr. (Editor): Surgery in World War II: Ophthalmology and Otolaryngology, **742**
Drippes, Robert D., Eckenhoff, James E., Vandam, LeRoy D.: Introduction to Anesthesia: The Principles of Safe Practice, **459**
Erbaugh, John K.: Principles of Ophthalmoscopy, **745**
Fasanella, R. M. (Editor): Management of Complications in Eye Surgery, **461**
Gettes, Bernard C.: Practical Refraction, **459**
Gillott, H. F.: The Effect on Binocular Vision of Variations in the Relative Sizes and Levels of Illumination of the Ocular Images, **949**
Gorin, George, and Posner, Adolph: Slitlamp Gonioscopy, **947**
Gowman, Alan G.: The War Blind in American Social Structure, **948**
Guillaumat, L., et al.: Traitement Chirurgical des Affections Oculaires, **137**
Hansell, Peter: A System of Ophthalmic Illustration, **744**
Keeney, Arthur Hail: Lens Materials in the Prevention of Eye Injuries, **137**
LeGrand, Yves: Light, Colour, and Vision, **951**
Martin, Hayes: Surgery of Head and Neck Tumors, **587**
Ministry of Labor, Bonn: Rehabilitation in England, **313**
Obrig, Theodore E., and Salvatori, Philip L.: Contact Lenses, **744**
Pau, Hans: Reactive Cellular Changes in Cornea and Retina, **950**
Polyak, Stephen: The Vertebrate Visual System, **316**
Ros, Antonio: Cortisone in Ophthalmology, **138**
Ryan, Robert E.: Headache: Diagnosis and Treatment, **139**
Rycroft, B. W. (Editor): Corneal Grafts, **585**
Salvisberg, H., and Schoenenberger, F.: A Contribution to Credé's Prophylaxis of Blennorrhea in Newborn, **746**
Sato, Tikasi: The Causes and Prevention of Acquired Myopia, **746**
Schlaegel, T. F., Jr.: Psychosomatic Ophthalmology, **586**
Scott, G. I.: Traquair's Clinical Perimetry, **949**
Scuderi, G.: Istopatologia del Tracoma, **948**
Siebeck, Robert: Accommodation and Binocular Vision, **138**
Streiff, E. B.: Advances in Ophthalmology: Volume III, **458**
Sugar, H. Saul: The Glaucomas, **315**
Tonkin, Richard D.: The Story of Peptic Ulcer, **138**
Walsh, Frank B.: Clinical Neuro-Ophthalmology, **313**
Wolstenholme, G. E. W., and Millar, E. C. P. (Editors): Hormones in the Blood, **460**
Yasargil, M. Gazi: Roentgen Diagnosis of Unilateral Exophthalmos, **460**
Boeck's sarcoid, of orbit, steroid therapy in, **567**
Bourneville's syndrome, **110**
Bowen's disease, of conjunctiva, 778
of cornea, 778
Brain, ophthalmoneurologic symptoms in frontal lobe lesions, **883**
Brazil, tropical eye diseases in, 798
Brightness stimuli, diencephalon and, 787
Buphthalmos, iridencleisis in, 322
megalocornea and, 778

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

C

Calcium oxalate crystallization, in ocular tissues, **298**
Campimetry, 787
  projection, with polarized light, 479
Canaliculitis, due to fungus, 963
Candida albicans, effect Nystatin and Amphotericin B on, **300**
Carbon dioxide, effect on conjunctiva in diabetes, 956
  in aqueous, 958
  in blood, 958
Carbonic anhydrase inhibitor, Daranide, **120**
  See also Cardrase; Diamox
Carcinogenesis, experimental ocular, **294**
Carcinoma, metastatic, of iris, **221**
  of choroid, **654**
  of iris, **707**
  primary, of cornea, 486
Cardiac arrest, **730**
Cardrase, in glaucoma, **225**
Carotid, internal, role in chiasm syndromes, 598
  retinal artery pressure changes in ligation of, **364**
Cat-scratch disease, **452**, 607, 777
Catalytic activity, of ocular tissues and fluids, 954
CATARACT: congenital, **124**, **302**, 337
    aspiration of, 588
    management of, 323
  conical cornea, mongolism and, 609
  development of, lens protein distribution during, 465
  diabetes and, 333
  EXTRACTION: **128**
    acute glaucoma after, **935**
    aqueous outflow and, 324
    ciliary staphyloma after, **906**
    complications after, 174
    digital pressure in, 789
    dressing with lens after, 175
    epithelial invasion after, *182
    fungus infection after, 174
    gonioscopy after, 324, **575**
    in diabetes, 323
    intracapsular, erisophake in, 790
      vitreous face after, **59**
    lens forceps with iris retractor for, **277**
    optic neuritis after, **659**
    peripheral iridotomies in round-pupil, *41
    refraction changes in high myopia after, 471
    rheumatic uveitis after, 319
    scissors for, 157
    sutures in, 789
    tonography and, 324, **575**
  heterochromia and, 167
  in ectodermal dysplasia, *143
  juvenile, aspiration of, 588
  lamellar radiation in newborn mouse, **822**
  luxated, extraction from fluid vitreous, **909**
  naphthalene, glucuronic acid to inhibit, 175
  patients, pre- and postoperative care of, 323
  retinitis with, 592
  second-decade, management of, *184
  stress, and experimental, 790
  surgery, incision in, **730**
  uveitis and, **128**
Chalazion, calcium crystals in, 602
Chameleon, eye movements in, **288**
  visual pathways in, **288**
Cheek, tumor of, exophthalmos, due to, 599
Chiasm, blood supply of, 762
  syndromes of, role internal carotid in, 598
CHILDREN: arachnoid hemorrhage in, 795
  gliomas of optic pathways in, 596
  increasing myopia in, bifocals to treat, 739
  myopic, diet in, 148
  premature, eye findings in, 338
  strabismus management in, 962
  subdural hematoma in, 795
  subdural hygroma in, 795
  tumor of orbit in, 598
  uveitis in, **304**
CHILDREN *(continued)*
  visual screening of, near tests in, *127
  zonular opacities in, 962
Cholesteatoma, of orbit, 181
Chorioretinal lesions, in Kaposi's sarcoma, 169
Chorioretinopathy, toxic, **127**
  traumatic, field defects in, 332
CHOROID: angioma of, 780
  anterior artery ligature, 179
  atrophy, retinitis pigmentosa and, 325
  blood vessels of, 595, 756
  carcinoma of, bilateral metastatic, **654**
  circulation in, cyclodiathermy and, **127**
  detachment, after intraocular surgery, 492
  elevation, with polyvinyl sponge, **722**
  melanoblastoma of, **51**, 781
    subretinal cellular deposits in, **705**
  melanomas of, diagnosis of, 169
  metastases to, 165
    from skin melanoma, 780
    treatment of, 168
  reactions to retinal detachment surgery, 395
  tumor of, differential diagnosis of, 491
Choroiditis, amebiasis and, 166
  diabetic, 166
Ciliary, band, changes in during accommodation, 472
  body, cysts of, with glaucoma, *64
    different portions of, 140
    melanoma of, **835**
    trabecular attachment of, **189**
  epithelium, electron microscopy of, **720**
  staphyloma, after cataract extraction, **906**
Clinical pathologic conference, **826**
Coats' disease, 594
  telangiectatic or multiple vascular origin, **508**
Coccidioidomycosis, uveitis and, **102**
Collagen disease, eye manifestations of, 799
    systemic, uveitis and, **11**
  in stroma, **291**
Colloid bodies, visual defects due to, 596
COLOR: blindness, acquired, 958
    hue discrimination in, 470
    unilateral, 958
  deficiency, in industry, testing for, 474
  fields, diagnostic value in neurosurgery, 327
  tests, in allergic iritis, 464
    in inflammations, 464
  vision, 469
    defective, acquired, 757
    deficiencies in, acquired, 148
Compensation, for ocular disability, 610
CONGENITAL ANOMALIES: in Africa, **344**
  interocular hyperplasia, 610
  pseudophakia fibrosa, 609
  retinal dysplasia, *199
  simulating tumor, *102
CONJUNCTIVA: ascarid under, 605
  Bowen's disease of, 278
  bulbar, lymphatics of, 164
    melanomas of, **536**
  electron microscopy of, 161, 952
  epithelioma of, after pemphigus, 164
  flora of, effect various ointments on, 153
  foci of infection in, 490
  fungus infections of, cortisone in, 162
  graft, for pterygium, 775
  hemorrhage of, treatment for, 488
  in diabetes, effect CO_2 on, 956
  lymphangiectasia of, 773
  lymphatics of, anterior chamber drainage and, 140
  melanotic tumor of, 776
  normal and diseased, 162
  parasites of, 605
  plastic repair of, with peritoneum, 488
  rhinosporidiosis of, 490
  virus infections of, 749
Conjunctival capilloroscopic index, **307**
CONJUNCTIVITIS: at Moorfields in 1956, **304**
  due to fungus, 963

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

CONJUNCTIVITIS *(continued)*
fly transmission of, 778
follicular, 779
inclusion, morphology inclusion bodies in, **423**
ligneous, 36 years' duration, *246
Parinaud's, **452**
vernal, antihistamines, ACTH, and cortisone in, 776
radiation therapy in, 775
Contact lenses, in monocular aphakia, 469
newer corneal types of, **919**
Convergence, accommodation and, 958
electromyographic study of, **716**
CORNEA: adhesions to, postoperative hyaloid, *99
alkali burns of, 957
antibody concentration in, 141
antigen-antibody reaction in rabbit, **719**
Arthus phenomenon of, 953
bee sting of, 604
Bowen's disease of, 778
conical, atopic eczema and, **904**
bilateral, 488
histology of, 473
mongolism, cataract, and, 609
debrider for, **448**
degeneration, **576**
crystalline, 777
lipoid, 963
destruction, by Pseudomonas proteases, **718**
diseases of, hyaluronidase in, 761
Terrien's, 487
DYSTROPHY: **576**
electron microscopy of, **518**
endothelial-epithelial, histopathology of, **518**
Fuchs', 486
granular, **1**
hereditary deep, **636**
lamellar graft in, 485
lattice type, 165
speckled hereditary, 487
electrical potential of rabbit, **290**
epithelium, acetylcholine synthesis in, 464
epithelization, lysozyme and, 955
evisceration with retention of, **433**
foreign bodies of, needle to remove, 765
free and bound water in, 953
guttata, 779
histochemical changes in developing rat, **296**
hydration, influence ocular tension on, 750
incisions, influence epithelium on healing of, *39
infections of, mycotic, treatment of, 963
intra-epithelial melanoma of, 779
lesions of, recording of, 156
megalo-, buphthalmos and, 778
nerve plexus of sheep's, 463
papilloma of, in trachoma, 489
pathophysiology of, 467
peripheral, anatomy and pathology of, **723**
primary cancer of, 486
refraction of, change in after strabismus surgery, 771
skin disease and, 161
stroma of, protein fractions in, 955
swelling pressure of, in ox, 752
sutures in, bedside removal of, **111**
transfer iodide across, 145
ulcer of, 778
corneal transplantation in chronic, 489
Mooren's diathermy coagulation for, 318
with glaucoma, **826**
vascularization of, during hypersensitivity, 749
metabolism and, 144
wounds of, early reactions in, **294**
in radiation sickness, 489
X-ray damage to, late, *137
CORNEAL TRANSPLANTATION: 163
achievement in, 775
allergy and, 953
auto-, 160
blood types and, **928**
CORNEAL TRANSPLANTATION *(continued)*
donor eyes for, storage of, 318
donor-recipient sensitization in, **843**
Filatov's technique, 164
graft in, fate of, 773
metabolism of, 774
opacification of, study on, **843**
partial lamellar, survival of stromal cells in, **242**
hetero-, 162
biochemical study of, 957
hook for, **918**
in chronic corneal ulcer, 489
in corneal dystrophy, 485
in herpetic keratitis, *179
lamellar, in herpes ulceration of cornea, *106
long-term results of, 163
management of complications in, **938**
modern instruments for, **571**
perforating, 163
re-operation in, **938**
total, 160
Cornecaine, 465
CORRESPONDENCE:
Facilities for the visually handicapped, **585**
Incision in pterygium operations, **137**
Iridectomy for essential atrophy of iris, **312**
Prevention by Thyroxine of the ocular changes normally produced by IDPN, **457**
Surgical approach to foreign bodies, **945**
Tests for central scotoma, **742**
Thank you, **945**
Corticosteroids, allergy of eye and, **435**
Cortisone, in corneal fungus infections, 162
in vernal conjunctivitis, 776
Craniofacial dysostosis, **306**
Cranio-orbital processes, 328
Craniopharyngeoma, diagnosis and treatment of, 598
Cyclizine hydrochloride (Marezine®) to control nausea and vomiting, **446**
Cyclodialysis, aqueous outflow after, 786
Cyclodiathermy, influence on choroidal circulation, **127**
CYSTS: dermoid, trichloracetic acid to treat, 764
intra-epithelial spontaneous, **931**
of ciliary body, with glaucoma, *64
of iris, with glaucoma, *64
of lens, 174
of orbit, anophthalmos and, 796
of pars plana ciliaris, 167, 324
of sphenoid sinus, blindness due to, 599
Cytology, in experimental iritis, 466
of herpetic keratitis, *240
Cytomegalic inclusion disease, virus isolation in, **300**

D

Dacryocystitis, antibiotics in, 601
Dacryocystorhinostomy, reoperation after, 330
Dacryostenosis, nonsurgical treatment of, 797
DARK ADAPTATION: 472
action of helenien on, 466
curves of, 147
form thresholds during, 758
foveal sensitivity in, 148
in aphakia, 471
in diabetics, 472
light thresholds during, 758
monocular adaptation and, 469
Depth discrimination, heterophoria and, 770
DIABETES: achromatic thresholds in, 336
acromegaly and, 333
cataract and, 333
cataract extraction in, 323
cavernous sinus thrombosis and, 333
chromatic thresholds in, 336
conjunctiva in, effect CO_2 on, 956
conjunctival aneurysms in, 488
dark adaptation in, 472
eye complications of, 332
glaucoma, keratopathy, keratomycosis and, **832**

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

DIABETES *(continued)*
hypertension and, 175
iritis of, lipoidosis of anterior chamber in, 319
juvenile, survey of, 334
mellitus, eye changes in, 608
ocular aspects of, **303**
oculomotor paralysis in, 770
retinitis and, 333
retinovitreal hemorrhages in pre-, 798
vascular eye disease in, 335
Diabetic choroiditis, 166
DIABETIC RETINOPATHY: **306**, 335
after pancreatectomy, 791
blood pressure and, 591
fundus hypertonicus and, 591
hypertension and, 591
platelets in relation to, **930**
proliferans, 590
Diagnosis, ophthalmoneurologic, 473
DIAMOX: hyphema and, **128**
in glaucoma surgery, 321
myopia after, 959
Diathermy, coagulation, for Mooren's ulcer, 318
effect on eye, *113
treatment, of retinoblastoma, *95
Dichlorphenamide, a carbonic anhydrase inhibitor, **120**
Dicumarol, in retinitis pigmentosa, **666**
Diencephalon, brightness stimuli and, 787
Digitalis, visual disturbances due to, 753
Diphtheria, antibiotics in, 960
Diplopia, in orbital fractures, 600
Diseases of eye: See Eye diseases
Drusen, of optic nerve, **123**
Duke-Elder, Sir Stewart, bibliography, *5
biography, *10
portrait, facing, *5
Dyclone, solution, as an anesthetic, **671**
Dyktioma, Fuchs', 781
Dynamics, ocular, symbols of, 605
Dyskeratosis, congenital, atresia of puncta and, 330
Dyslexia, 598

E

Ectodermal dysplasia, *143
Ectopia lentis, 789
Ectropion, paralytic, operations for, 602
senile, 182
Eczema, atopic, conical cornea and, **904**
Edema, angioneurotic, of orbit, *43
EDITORIALS:
Changing concepts in retinal detachment surgery, **940**
Chicago Ophthalmological Society Clinical Conference, **738**
Cruise congress, **943**
Friedenwald Lectureship, **944**
Hadley School for the Blind, **583**
Hail to the Chief, **735**
National Committee for Research in Ophthalmology and Blindness, **130**
National Medical Foundation for Eye Care, **736**
New calibration scale for Schiøtz tonometers, **308**
Nonparalytic squint, **455**
10th annual clinical conference at Wills Eye Hospital, **739**
Trachoma dubium, **132**
Electric impulses, induced by changes in ocular tension, *211
Electrocardiogram, changes in, during eye surgery, 478
Electrocoagulation, current control in, 766
Electro-encephalogram, in amblyopia, 148
in cerebral blindness, 794
findings, in eye diseases, 484
in glaucoma, 493, 787
in strabismus, 484
Electrolytes, behavior conjunctival and corneal cells and, **719**
Electromyogram, in diagnosis, 960
in Moebius syndrome, **926**
Electromyogram *(continued)*
in Tuerk-Duane syndrome, 961
vergence studied by, 769
Electron microscopy, to study corneal dystrophy, **518**
Electro-oculogram, in amblyopia, 159
to study fixation in, 158
to study adaptation, 757
Electrophoresis, of aqueous, in inflammations, 473
in uveitis, 755
of retinal proteins, 755
of tears, **67**
to study collagen disease and uveitis, **11**
ELECTRORETINOGRAM: a-wave in human, 469
alteration of, in flickering light, 589
amplitude of, inhibitory fibers and, **289**
components of human, 476
effect sympathectomy on, **927**
flicker frequency and, **290**
in congenital retinal dysfunction, **249**
in retinal circulatory disturbance, 592
in retinal detachment, prognostic value, 326
influence ethyl alcohol on, 483
of toad retina, 754
photopic response in human, 151
potentials on, induced by drugs, **718**
recovery of, after hypoglycemia, 145
after ischemia, 145
repeated stimulation and, in dog, 953
to study retinal arteriospasm, **362**
with double flashes, 759
Electroshock, lens opacities and, **926**
ocular tension and, 174, 493
Encephalitis, epidemic, eye symptoms in, 608
Endocrine, disturbances, interstitial keratitis and, 164
Endophthalmitis, acute tuberculous, **403**
Leucomycin in, 957
nematode, **853**
phacoanaphylactica, *251
Entropion, conjunctival retroposition in, 488
Enucleation, light reflex in eye after, 957
without excessive hemorrhage, 483
Epibulbar melanoma, 184
Epinephrine, acetazolamide and, in chronic glaucomas, **639**
in anterior chamber hemorrhage, 174
Episcleritis, metastatic furunculiform, 489
Epithelial downgrowth, after cataract extraction, *182
into anterior chamber, 588
Epithelioma, of conjunctiva, after pemphigus, 164
Erisophake, in intracapsular cataract extraction, 790
Erythrophyll, in eye disease, 481
Esotropia, accommodative, 959
acute comitant, *55
overcorrection of, after bilateral 5-mm. recession, **644**
Eugenics, in retinoblastoma, 802
Evisceration, **129**
with retention of cornea, **129**, **433**
Exanthematous diseases, phlyctenular keratoconjunctivitis and, 963
Exenteration, 598
Exophthalmogenic factor, in serum, 142
Exophthalmometry, **128**, 154
EXOPHTHALMOS: adrenal gland and, **292**
due to granuloma of orbit, 600
due to tumor of cheek, 599
hydrophilic properties of orbital tissue in, **725**
of Graves' disease, 798
-producing substance (in minnow), **930**
thyrotopic, new symptom of, 799
unilateral, orbitonometry in, **208**
EYE: avulsion of, hemianopsia and, 603
biologic evolution of, 749
depth of focus of, **924**
disease, electro-encephalographic findings in, 484
Erythrophyll in, 481
focal, histamine to test, 480
in Africa, **343**
infections, resistance in, 464

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

EYE *(continued)*
diseases *(continued)*
nitrogen mustard in, 480
sodium propionate in, 482
stress in, 157
tropical, in Brazil, 798
distensibility of human, **291**
elasticity of, 174
examination, slitlamp and monochromatic light in, 478
perfusion of, **115**
physiologic chemistry of, 142
plastic models of, 763
tonographic study of normal, 171
total extracts of, in therapy, 767
Eyeball, compression of, ocular rigidity and, 173
X-ray techniques for, 478
Eyebrow, lymphoma of, 603
Eyelids, carcinoma of, blepharoplasty for, 330
lesions of, statistics on, **415**
plastic surgery of, 603
retraction of, due to "secondary deviation", **565**

F

Fat, embolism in eye, 332
metabolism, eye disease due to disturbances in, *23
Fever therapy, 478
ketosteroids in urine and, 479
shock phase in, 479
study of, 474
Filaria loa, **901**
Fixation, in amblyopia, 147
electro-oculographic study of, 158
in nystagmus, 147
Flicker frequency, electroretinogram and, **290**
glare effect on, **924**
influence autonomic drugs on, **723**
threshold determination in, 470
Flicker perimetry, 763
Florinef-S, in eye disease, 153
Fluids of eye, catalytic activity of, 954
Fluorescein permeability test, 5-year experience with, 961
transfer, capillary pressure and, 465
Fluorocortisone, in extraocular infections, 154
Focus, depth of, in human eye, **924**
FOREIGN BODIES: **124**
aluminum alloy, 332
detector, **304**
intraocular, 332, 604
metallic, prevention of damage from, 604
nonmagnetic, removal of, **911**
of cornea, removal from posterior layers of, **569**
perforating, double, **451**
retinal detachment due to, 176
surgical approach to, **945**
Foster-Kennedy syndrome, in absence of tumor, 180
Fovea, brightness threshold of, 151
sensitivity of, in dark adaptation, 148
Fracture, malar, intraorbital hemorrhage after, 328
France, ophthalmic excursion in, 611
Friedenwald Lectureship, **944**
Fundus, changes, in incontinentia pigmenti, **265**
in pregnancy, 175
vascular lesions of, therapy of, 763
FUNGUS: allergy and infections with, 952
canaliculitis due to, 963
conjunctivitis due to, 963
corneal and, 162
infections with, 961
after cataract extraction, 174
of cornea, treatment of, 963
keratitis due to, 777
Furacilin, leukoderma due to, 753
Fusion, retinal locus factor in, 150

G

Gaze, field of, 148
GLAUCOMA: a review, 782
absolute, study enucleated eyes after, 171
GLAUCOMA *(continued)*
acute, after cataract extraction, **935**
complication, of general surgery, **668**
of iritis, **728**
angle-closure, **444**
anthranilic acid metabolism and, 492
BC 48 (new miotic) in, 784
Cardrase in, **225**
causes of, 788
central nervous system in early, 785
chronic, epinephrine and acetazolamide in, **639**
ciliary body cysts with, *64
closed-angle, tonography in early diagnosis of, 172
complications in, **578**
congenital, 784
surgery in, **936**
corneal ulcer and, **826**
electro-encephalogram in, 493, 787
excavation of disc in, 172
fields in, **128**, 787
in Africa, **356**
in myopia, **305**
induced by steroid therapy, **108**
infantile, maternal rubella and, 786
iridoschisis and, **451**
iris cysts with, *64
malignant, **129**
prodromal, 171
medical therapy of, **304**
new methods, 788
narrow-angle, importance early diagnosis in, 787
operations for, fistulizing, *220
mechanism of, 782
retraction scleral wound edges as fistulizing, *220
selection of, **454**
pathology of, 782
phacolytic, **303**
pigmentary, 172
in females, 171
posttraumatic, 783
primary, surgical complications of, *157
reoperation in, 578
retinal function nd, test for, **71**
secondary, 321, 784
sensory nerve substance in, 171
simple, **302**
surgery for, Diamox in, 321
long-term prognosis in, **807**
tests for, night bandaging of eyes as, 323
water-provocative, scleral rigidity in, **928**
trephination in, wound cauterization in, 782
217-MI in, 323
vasomotor factor in, 785
venous obstruction at disc in, **303**
visual field defects in atypical, 322
Glaucomatocyclitis crises, 782
Glioma, of optic nerve, 595
histology of, 595
of optic pathways, in children, 596
Glucose levels, in aqueous, **925**
in blood, **925**
Gonioscopy, device to rotate slitbeam in, **920**
in cysts of iris and ciliary body, *64
normal and pathologic pictures in, 483
Goniotomy, visual results after, **727**
Granuloma, eosinophilic, Hand-Schüller-Christian disease and, 183
in disturbances of fat metabolism, *23
of lacrimal sac, after polyethylene tube, 183
of orbit, 181, 600
Graves' disease, exophthalmos of, 798

H

Hadley School for Blind, **583**
Hand-Schüller-Christian disease, granuloma in, 183
Headaches, 152
Helenien, action on dark adaptation, 466
Hemangioma, of orbit, 328
aspiration of, 329

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

Hematoma, in children, 795
Hemianopsia, 179
  avulsion of eye and, 603
  circulatory disturbance of optic nerve and, 793
  retinal local signs in, **662**
HEMORRHAGE: anterior chamber, epinephrine in, 174
  blindness after, 605
  enucleation without excessive, 483
  induced by hydro-uterine fluid (mice), **928**
  intraorbital, after malar fracture, 328
  of conjunctiva, treatment of, **488**
  preretinal and of optic nerve sheath, 177
  subconjunctival, 160
Hemoglobin-C, and sickle-cell disease, **870**
Heparin, in macular edema, **118**
Heredity, counselling, in eye diseases, 609
  in corneal dystrophy, **636**
  in ectodermal dysplasia, *143
  in prevention of blindness, 611
Herpes, febrilis, of cornea, lamellar keratoplasty in, *106
  keratitis due to, cytology of, *240
    keratoplasty in, *179
  of eye, radiotherapy in, 475
    symposium on, 475
  simplex, 475
  ulcers due to, **934**
  virologic aspects of, 476
  virus, iritis due to, 168
  zoster, 475
    virus encephalitis after, 327
Heterophoria, depth discrimination and, 770
Heterotopia, of macula, pseudostrabismus with, **653**
Histamine, to test focal diseases of eye, 480
Histiocytoses, *23
Homatropine, psychosis after, 143
Honeybee, visual system of, **287**
Hôpital Albert Schweitzer, Haiti, West Indies, **849**
Hormones, changes in mast cells of uvea due to, **282**
Horner's syndrome, operation to avoid, 597
Hurler's disease, *23
Hyaline bodies, on optic disc, 178
Hyaloid membrane, adhesion to cornea, *99
  persistent, 609
Hyaluronidase, in anterior chamber, **65**
  in corneal disease, 761
  ocular tension and, 786
Hydergin, to control bleeding, 481
Hydrostatic pressure syndrome, **127**
Hygroma, in children, 795
Hypertension, arteriosclerosis and, diagnosis of, **81**
  diabetes and, 175
  diabetic retinopathy and, 591
  essential, retinal changes in, grading and recording of *165
  eye in, 606
  intraocular circulation and, **302**
Hyphemas, effect trypsin on, 755
Hypnosis, during blepharorraphy, 762
  during pterygium removal, 762

I

Idiocy, amaurotic familial, 792
IDPN, eye changes due to, Thyroxine to prevent, **457**
Illumination, fluorescent, *47
    visual fatigue and, 149
  vision and, 468
Implants, 329
  acrylic, 4/6
    in anterior chamber, 324
  buried orbital, 762
  capsuloscleral, 599
  orbital, after Arruga-Moura, 600
Incontinentia pigmenti, *143
  fundus changes in, **265**
Industry, color deficiency in, testing for, 474
  disability in, ocular causes, 610
  vision programs in, 475
  visual screening in, 477
Infants, amblyopia ex anopsia in, 760
  congenital toxoplasmosis in, 797
  examination eye in tuberculosis in, 474
  vision grading in, 476
Infections of eye, sulfacetamide in external, **383**
Inflammations of eye, aqueous electrophoresis in, 473
  color tests in, 464
INJURIES: buffalo-berry thorn, **285**
  burns, eyelid and facial, **732**
  chemical, treatment of 331
  ocular tension after, 783
  of cornea, bee sting, 604
  of orbit, due to wood splinter, 182
  of retina, due to atomic flash, 604
  orbitocranial stab wounds, 797
INSTRUMENTS: adaptometer for mass screening, 761
  blepharostat, 761
  corneal debrider, **448**
  corneal lens for prolonged procedures, **922**
  exophthalometer measuring device, 764
  fixation device for Schiøtz tonometer, 323
  fixator, 473
  fluorescent lamp examining unit, **279**
  for corneal transplantation, **571**
  for iontophoresis in iodine therapy, 483
  Graefe's knife, examination of, 767
  hook for keratoplasty, **918**
  keratograph, circline fluorescent, **104**
  lens forceps with iris retractor, **277**
  magnet, new permanent, 764
  needle to remove corneal foreign bodies, 765
  noose-tightener for sutures, 156
  ophthalmoscope, Schepens' binocular indirect, **915**
  plastic models of eye, 763
  portable eye irrigation unit, 475
  scissors for cataract extraction, 157
  slitlamp attachment for plotting scotomas, **913**
  speculum, Lindner improved, 153
  stereocamera, 153
  stereocampimeter, 762
  to detect foreign bodies, **304**
  to rotate slitbeam, **920**
  to study scotopic visual fields, 154
  to teach refraction, **921**
  tonometer holder, 155
  trephine of modified design, **112**
Intraocular pressure: See Ocular Tension
Iodoacetate, histologic studies with, 751
Iodoacetic acid, effect on inflammations, 753
Iontophoresis, in iodine therapy, instrument for, 483
  radioiodide for, 483
Iran, trachoma in, 778
Irgapyrin, in sympathetic ophthalmia, 166
Iridectomy, 320
Iridencleisis, in buphthalmia, 322
Iridocyclitis, heterochromia, *262
  in leprosy, 780
  in Still's disease, 798
  X-ray therapy in, 168
Iridopathy, **830**
Iridoschisis, glaucoma and, **451**
Iridotomies, peripheral, in round-pupil cataract extraction, *41
IRIS: atrophy, essential, 167
    progressive, 320
    iridectomy for, **312**
  carcinoma of, metastatic, **221, 707**
  cysts of, with glaucoma, *64
  depigmentation of, after muscle transplantation, 170
  electrically induced movements of, **289**
  hernias of, trichloracetic acid to treat, 764
  hyperplasia of, congenital, 491
  neurofibromatosis of, 166
  photocoagulation of, **932**
  retroflection of, 169
  rubeosis of, 491
  stroma of, structure of, 462
  suturing of, 320

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

IRITIS: acute glaucoma complicating, **728**
allergic, color tests in, 464
cytogram in, 466
due to herpes, 168
lipoidosis of anterior chamber in diabetes, 319
X-ray therapy in, 168
Ischemia, of retina, visual loss and, *79

K

Kaposi's sarcoma, chorioretinal lesions and, 169
KERATITIS: due to fungus, 777
herpetic, cytology of, *240
keratoplasty in, *179
interstitial, antisyphilitic treatment for, 479
endocrine disturbances and, 164
nummular, of Dimmer, 162
punctate, in Africa, 490
striate, chemically caused, **712**
KERATOCONJUNCTIVITIS: epidemic, 162
hydrocortisone-neomycin ointment to treat, 318
phlyctenular, 963
sicca, neurohormonal factors in, 487, 777
Sjøgren's syndrome and, 489
See also Sjøgren's syndrome
treatment of, 161
Keratoconus: See Cornea, conical
Keratomalacia, 773
Keratopathy, band-shaped, pinguecula in, 773
bullous, corneal ulcer, glaucoma and, **826**
glaucoma, keratomycosis and, **832**
Keratoplasty: See Corneal Transplantation

L

Labyrinthine function, eye and, *74
sensitivity loss, in ophthalmoplegia, 771
LACRIMAL APPARATUS:
ducts, alterations in, in trachoma, 601
restoration of, 602
vitallium implants in stenosis of, 796
glands, biorheutic orthology of, 601
sac, fistula of, 796
granuloma of, after polyethylene tube, 183
LENS: acid-soluble phosphates in, 955
cation and water balance of, **720**
cell division in, **719**
culture, maintenance of, for 24 hours, **372**
cyst formation of, 174
development of cell nuclei in, 141
ectopia of, 789
epithelium of, behavior of surviving, 141
electron microscopy of, **298**
a strain of human, **925**
hexokinase activity of rabbit, **297**
histochemical changes in developing rat, **296**
immunologic studies with, **293, 716**
in vitro studies on, **372**
metabolism, effect age on, 143
opacities, electroshock and, **926**
potential, **721**
proteins, of human, 142
allergy and, 463
changes in, **721**
distribution, during cataract formation, 465
embryonic, 143
surgery of, 789
swelling, transient myopia and, due to allergy, **454**
Leprosy, aqueous in, 153
iridocyclitis in, 780
Letterer-Siwe's disease, *23
Leucomycin, in endophthalmitis, 957
Leukemia, optic nerve in, 178
Leukoderma, due to Furacilin, 753
Leukokoria, *199
Light, pupil reaction to, 464
sense, test of, 473
Lighting, fluorescent, effect on eye, *47
Limbus, melanoma of, 777
Limulus, electric activity cells in eye of, **717**
Lipids, in eye disease, *23
Lipoid lymphocyte degeneration, 590
Lobectomy, visual field defects after, 761
Lymphoma, of eyebrow, 603
Lysozyme, corneal epithelization and, 955

M

MACULA: aberrant vessels of, **106**
changes in, after venous obstruction, 177
edema of, heparin in, **118**
heterotopia of, pseudostrabismus with, **683**
holes of, amnion implants to treat, 791
lesions of, classification of, 176
retinal blood supply at, **114**
Malingering, new test for, 766
Marezine®, to control nausea and vomiting, **446**
Maternal rubella, infantile glaucoma and, 786
Medullo-epithelioma, **495**
Meetings: See Ophthalmic meetings
Megalocornea: See Cornea, megalo-
Melanoblastoma, intraocular, 183
of choroid, 781
pigment deposits in, **51**
MELANOMA: epibulbar, 184
malignant, of bulbar conjunctiva, **536**
of ciliary body, **835**
of uvea, 319
metastatic, to choroid from skin, 780
of choroid, diagnosis of, 169
of conjunctiva, 776
of cornea, 779
of limbus, 777
Melanosis, congenital, 337
Meningioma, ocular signs of, **30**
Metabolism, anthranilic acid, glaucoma and, 492
fat, eye lesions related to disturbances of, *23
lens, effect age on, 143
Methanol, intoxication, 144
Metreton ophthalmic suspension, clinical study of, **27**
Microphthalmia, histology of, 337
Migraine, **729**
Mitotics, BC48, 784
in strabismus, 962
Moebius syndrome, **926**
Molluscum contagiosum, palpebral localization of, 182
Mongolism, conical cornea, cataract and, 609
Morax, V., 50th anniversary at Hosp. Lariboisiere, 338
Mortality rates, during general anesthesia, **847**
MOVEMENTS of eye: co-ordimetry to study, 598
in chameleon, **288**
in occipital lobe lesions, 157, 179
motion picture record of, **118**
ocular motor apraxia, 795
paralyses of, 484
in aged, 158
saccadic, electromyography of, **716**
Mucocele, of maxillary sinus, 600
Mucopolysaccharides, distribution of, in mouse eye, **723**
in intraocular tissues, **299**
MUSCLES of eye:
electromyography in Moebius syndrome, **926**
extraocular, co-contraction in, **119**
time factor in study of, 769
imbalance, test for, 77
inferior rectus fibrosis, ptosis and 158
involvement in temporal arteritis, **617**
medial rectus, bilateral 5-mm. resection of, over-correction esotropia after, **644**
orbicularis oculi, akinesia of, **442**
paralysis, due to encephalitis, 598
external rectus, 768
ocular torticolis and, 158
shortening, by torsion and ligature, 159
superior oblique, synovioma of, **631**
surgery, 485
asymmetric horizontal, 962
temporalis, transplantation of, in orbital exenteration, **386**

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

MUSCLES *(continued)*
transplantation of, iris depigmentation after, 170
vertical, anatomic study of, **128**
Myasthenia ocularis, 958
MYOPIA: after Diamox, 959
degenerative, 759
diet in children with, 148
glaucoma in, **305**
high, refractive change in, after cataract extraction, 471
in ectodermal dysplasia, *143
increasing, in children, 759
transient, due to allergy, **454**
after Diamox, 959

N

Nematodiasis, due to filaria loa, **901**
intraocular, **853**
Neoprene casts, to study eye anatomy, 462
NERVES: clinical lesions of oculomotor, 794
ophthalmic, effect resection of on ocular tension, 788
optic: See Optic nerve
paralysis, in diabetes, 770
paresis, bilateral of sixth, **449**
simulating divergence paralysis, surgery of, **417**
regeneration of third, 328
Nervous system, myelination in, 462
Neuroangiomatosis, craniofacial, eye involvement in, 797
Neurodynamics, in glaucoma, 785
Neuro-ophthalmology, 597
Neurosurgery, color fields in diagnosis in, 327
Nevoxanthoendothelioma, 335
Newborn, blennorrhea prophylaxis in, 481
optic nerve lesions in, 175
retinal lesions in, 175
News Items, 185, 339, 494, 612, 803, 964
Nitrogen mustard, to treat eye disease, 480
Nutrition, eye disease and, in Africa, **347**
NYSTAGMUS: fixation in, 147
frontal lobe lesions and, **883**
miners', 771
prerotary, 771

O

Obituary: Parsons, John Herbert, **133**
Occipital lobe lesions, oculomotor function in, 179
Ocular dynamics, symbols of, 605
Ocular rigidity, Friedenwald's coefficient of, 173
See also Scleral rigidity
OCULAR TENSION: after eye injuries, 783
calculation of, 152
Cardrase to lower, **225**
changes in, electric impulses induced by, *211
after tonometer application, **192**
effect Apresoline on, 172
effect diencephalon stimulation on, 321
effect Nepresol on, 172
effect of ophthalmic nerve resection on, 788
effect stimulation of orbital parasympathetic pathway on, **924**
electroshock and, 174, 493
frontal lobe lesions and, **883**
hyaluronidase and, 786
increased, "phosphenator" device to detect, **272**
influence on corneal hydration, 750
influence sympathectomy on, 144
pressure-volume relationship in intact human eye, **725**
role vitreous in increased, 956
Ocular torticollis, strabismus surgery for, 962
Ointments, base, in antibiotic treatment, 156
effect of in anterior chamber, 473
effect on conjunctival flora, 153
Onchocerciasis, **304**, 336
degenerative lesions of, 593
in Africa, 336, **343**
optic nerve atrophy and, 334
retinal diseases in, 334
Operations, Lagrange's sclerecto-iridectomy, modification of, 787
Ophthalmia neonatorum, penicillin and bacitracin ointments in, 764
prophylaxis, Credé's method of, 801
Desogen for, 801
Ophthalmic Institutes, of Phnom-Penh (Cambosia), 800
Ophthalmic meetings, AMA Section on Ophthalmology, **582**
Association for Research, **580**
Chicago Ophthalmological Society Clinical Conference, **738**
Cruise congress, **943**
10th Wills conference, **739**
Ophthalmic Research, 114, 286, 716, 923
Ophthalmic societies, National Medical Foundation for Eye Care, **736**
Ophthalmodynamometry, in carotid ligation, **366**
Ophthalmology, experimental salicylate of sodium in, 957
history of, 800
National Committee for Research in Blindness and, **130**
skin grafts in, 761
Ophthalmomycosis, 952
Ophthalmoplegia, ataxia, areflexia and, 180
labyrinthine sensitivity loss in, 771
monocular internal, 795
Ophthalmoscope, vision chart for, 768
Ophthalmoscopy, in diagnosis, **932**
Optic canal, radiophotography of, 483
X-ray demonstration of, 157
Optic chiasm, capillary-glia in, 748
interesting medical records of, **283**
tumors of, 764
OPTIC DISC: blurred and pale, 178
choked, experiments on, 465
of unknown origin, 327
discolorations of, 177
edema of, 794
glaucomatous excavation of, 172
hyaline bodies on, 178
OPTIC NERVE: aspidium poisoning and, 956
ATROPHY: carotid aneurysm and, 794
compression, nerve degeneration and regeneration and, *133
onchocercosis and, 334
therapy in, *133
avulsion of, 595
blood supply of, 762
capillary-glia in, 748
circulatory disturbances of, hemianopsia and, 793
conduction velocities in rabbit, **717**
damage, due to medicines, 595
degeneration of fibers in, 464
diastasis of, 596
diseases of, color thresholds in, 152
drusen of, **123**
glioma of, 595
in leukemia, 178
lesions of, in newborn, 175
myelination in, 462
tumors of, diagnosis in, 603
Optic neuritis, after cataract extraction, **659**
retrobulbar: See Retrobulbar neuritis
temporal arteritis and, **617**
Optic pathways, gliomas of, in children, 596
vascularization of, 748
Optic tract, capillary-glia in, 748
angioneurotic edema of, *43
Boeck's sarcoid of, steroid therapy in, **567**
bone of, involvement in Besnier-Boeck-Schaumann sarcoid, **407**
cholesteatoma of, 181
cysts of, anophthalmos and, 796
deformity of, due to loss of bony substance, 180
eosinophilic granuloma of, 181
exenteration of, **386**, 598
eye pushed backed into, 329
fractures of, diplopia in, 600
granuloma of, 600
hemangioma of, 328

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

Optic tract *(continued)*
aspiration of, 329
injuries of, due to wood splinter, 182
osteoma of, 599
pseudotumor of, 181
surgery of, fast-polymerizing acrylic in, 181
tumor of, 600
in children, 598
veins of, tomography and, 601
Orbital pneumography, 328
Orbitonometry, in unilateral exophthalmos, **208**
Orthoptics, to overcome effect of atropine, 145
Osteoma of orbit, 599
Oxytetracycline, in ophthalmology, 477

P

Paget's disease, eye and, 335
Papilledema, after poliomyelitis, 180
increased intracranial pressure without, 595
Papillitis, pseudo-, 326
Parasites, intraocular, **853**
of conjunctiva, 605
Parinaud's syndrome, 607, 777
Pars plana ciliaris, cysts of, 167, 324
Parsons, John Herbert, **133**
Pemphigus conjunctivae, 777
epithelioma after, 164
mucosae, 777
Penicillic acid, 760
Penicillin, in ophthalmia neonatorum, 764
Perception, role retina in speed of, **675**
Perimetry, flicker, 763
Goldmann perimeter in, 480
Periotomy, to prevent corneal complications, 476
Peritoneum, in plastic repair of conjunctiva, 488
Phlyctenulosis, protein fractions of blood in, 467
Phosphenator device, to detect increased ocular tension, **272**
Phosphorus, radioactive, in tumor detection, **128**
Photocoagulation, of iris, **932**
of retina, **932**
Photography, stereocamera for, 153
Pigment of eye, behavior of, 143
Pinealomas, early diagnosis of, 327
Pinguecula, in band-shaped keratopathy, 773
Pituitary, hypothalamic system, visual apparatus and, 754
tumor of, arcuate field defects due to, **505**
Plastic surgery, of conjunctiva, peritoneum in, 488
of eyelids, 603
after carcinoma, 330
of socket, 329
Poikiloderma congenitale, **129**
Poland, ophthalmic bibliography 1956, 611
Poliomyelitis, papilledema after, 180
Polycythemia vera, retinal arteriospasm in, **358**
Polysaccharides, ocular changes induced by, **721**
Porphyria, eye changes in, 779
Pregnancy, fundus in, 175
Primycin, 760
Priscoline, to treat central serous retinopathy, 324
Prophylaxis, Credé method of, 801
Prostheses, 329, 479
PROTEINS: concentration in vitreous, 146
dynamics, radioactive study of, **720**
in corneal stroma, 955
LENS: of bovine, **295**
embryonic, 143
human, 142
of aqueous, 955
of tears, Schirmer test and, **116**
Prowazek-Halberstaedter inclusion bodies, morphology of, in inclusion conjunctivitis, **423**
in trachoma, **423**
Pseudopapillitis, 326
PTERYGIUM: conjunctival graft for, 775
excision, **879**
hypnosis during removal of, 762
incision in operation for, **137**
PTERYGIUM *(continued)*
radioactive strontium in, 776
PTOSIS: analysis of 142 cases, **692**
fibrosis inferior rectus and, 158
operations for, 182, **303**
modified Friedenwald-Guyton, 330
with buried silk sutures, **282**
Puncta, atresia of, congenital dyskeratosis and, 330
Pulseless disease, eye lesions of, 799
PUPIL: Horner's syndrome: See Horner's syndrome
light reaction of, 464
light reflex of human, 753
membrane of, persistent, 337
paradoxic movements of, 597

Q

Q fever, retrobulbar neuritis and, 178

R

RADIATION: beta, 762
gamma, eye effects of, **115**
sickness, corneal wounds in, 489
THERAPY: functional, 482
hazards of, 761
in herpes infections, 475
in vernal conjunctivitis, 775
radon seed in retinoblastoma, 767
X-ray: See under X rays
ultrasonic, 473
Radioactive, phosphorus, in tumor detection, **128**
strontium, in pterygium, 776
sulfate, incorporation in guinea pig eye, **724**
uptake in rabbit eye, 752
Recklinghausen's disease, 166
Refraction, change in high myopia after cataract extraction, 471
distance between eye and lens in, 760
practical suggestions for, *187
teaching of, device for, **921**
Research, in blindness and ophthalmology, **130**
Reticulo-endothelium system of uvea, 165
RETINA: arterial pulse, diagnostic importance of, 325
artery, embolism, centennial of, 593
pressure, changes in, with carotid compression or ligation, **364**
spasm of, in polycythemia cera, 358
thrombosis of, 726
aspidium poisoning and, 956
atrophy of, retinitis pigmentosa and, 325
blood circulation of, disturbances of, treatment of, 768
time in, **114**
blood supply at macula, **114**
changes, in essential hypertension, grading and recording of, *165
Coats' disease and, **508**
dazzling of, visual fields after, 149
degeneration, tapeto-, 590
DETACHMENT: **303**
diathermy surgery in, *113
electroretinogram in, prognostic value of, 326
management of, **227**
planned treatment of, 325
postoperative care of, **544**
retinal sutures in, **553**
scleral resection in, 793
See also Scleral buckling and Scleral resection
seasonal variations in, 792
surgery, changing concepts in, **940**
choroid reactions to, 595
results of, 589
treatment of, due to foreign bodies, 176
viscosity of subretinal fluid in, 790
vitreous implant in, 177
replacement in, 793
disease, in onchocercosis, 334
dysfunction, congenital, **249**
dysplasia of, *199
examination of, in monochromatic light, 791
flash burns of rabbit, **128**

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

DETACHMENT *(continued)*
folds in, congenital, 176
tumor producing, 326
formaldehyde oxidation of, effect glutathione on, **297**
function of, glaucoma and, test for, **71**
Maddox-rod test of, 481
ganglion cells of, 750
hole in, craterlike, 589
in hypertensive disease, 793
ischemia of, with visual loss, *79
lesions of, in newborn, 175
lipemia of, *23
metabolism of, effect ACTH on, 752
effect stress on, 146
mucopolysaccharides in, **929**
neuro-epithelial dysgenesis, 177
neuronal lipidoses, *23
photocoagulation of, **932**
pigment epithelium, granules of, electron microscopy of, **925**
hyperplasia of, simulating neoplasm, *235
tumors of, **495**
proteins of, electrophoresis of, 755
receptors of, photopic of typical achromat, **288**
respiration of, 958
rod degeneration in, 11-cis vitamin A in, **716**
role in speed of perception, **675**
sensitivity to light, effect Adaptinol on, 754
separation of, **129**
stimulation and, spatial perception and, **119**
survival of, induced by drugs, **923**
sutures, to treat retinal detachment, **553**
toad, electroretinogram of, 754
veins, occlusion of, anticoagulants in, 593
antisclerosis therapy in, 593
thrombosis, anticoagulants in, 326
Retinal correspondence, anomalous, 149
Retinal local signs, in hemianopsia, **662**
in normal vision, **662**
in strabismus, **662**
RETINITIS: central, with cataract, 592
diabetes and, 333
pigmentosa, acanthrocytosis, neuromuscular disease, and, **453**
choroid atrophy in, 325
Dicumarol in, **666**
or rubella?, **93**
retinal atrophy in, 325
Retinoblastoma, 176, **391**
diagnostic difficulties in, 594
diathermy treatment of, *95
eugenic considerations in, 802
radon seed treatment of, 767
tissue culture study of, **117**
RETINOPATHY: central serous, Priscoline to treat, 324
circinate, 590
diabetic: See Diabetic retinopathy
hypertensive, adrenal resection and, sympathectomy in, 325
macular, 592
of prematurity: See Retrolental fibroplasia
Retinopexy, basic phenomena of, **547**
Retrobulbar neuritis, final results of, 595
Q fever and, 178
viral etiology in, 793
Retrolental fibroplasia, 326, 792
oxygen in, 592
physiologic review of, 177
Rheumatism, scleromalacia and, 486
uveitis and, **127**, 320
Rhinosporidiosis, of conjunctiva, 490
Rhodopsin, human, **286**, 755
mechanism of bleaching, **286**
regeneration of, 956
Ridley implant, histopathologic examination of eye with, 174
five year experience with, 324
Rothmund's syndrome, *143
Russia, ophthalmologists in, for 40 years, 338

S

Sarcoid, orbital bone involvement in, **407**
Schweitzer Hôpital Albert, Haiti, West Indies, **849**
Scleral buckling, 593
external, 590
Scleral resection, anatomic pathologic examination of lamellar, **594**
in retinal detachment, 793
wound closure in, 767
Scleral rigidity, clinical study of, 785
correction, **196**
measurement of, in water-provocative tests, **928**
Sclerecto-iridectomy, 787
Scleromalacia, media sclerosis and, 486
rheumatism and, 486
Sclerosis, tuberous, **110**
Sclerotomy, Herbert's, 323
Scotoma, hemianopic, 474
plotting of, slitlamp attachment for, **913**
with Goldmann perimeter, 480
Scurvy, vitreous changes in, 589, 954
Sickle-cell disease, hemoglobin-C disease and, **870**
vitreous hemorrhage and, **870**
Siderosis bulbi, spontaneous clearing of, **259**
Sjøgren's syndrome, 489
Skin, diseases of, cornea and, 161
grafts, in ophthalmology, 761
Snake-bite, eye reaction after, 155
Socket, reconstruction, 329
Sodium propionate, action of, 751
in eye disease, 482
Spatial perception, retinal stimulation and, **119**
SPECTACLES: bifocal, to treat myopia, 759
binocular, to correct low vision, **23**
contact lens: See Contact lenses
corneal lens, for prolonged procedures, **922**
distance from eye, 760
for subnormal vision, 758
in nonoptical eye abnormalities, 756
temporary, for aphakia, 756
X-ray, red glass, 476
Sphenoid sinus, cyst of, blindness due to, 599
Staining methods, hyaluronic acid, of trabecular meshwork, **189**
saccharated iron oxide, **929**
Staphyloma, ciliary bilateral, **906**
Stereocampimeter, improved model of, 762
Stereotronic radiation, 756
Steroids, glaucoma induced by, **108**
in Boeck's sarcoid of orbit, **567**
in chronic uveitis, **923**
prophylaxis, in sympathetic ophthalmia, *162
See also under names of various steroid products
Still's disease, 169
eye manifestations of, 798
Stilling-Duane-Tuerk syndrome, 770
STRABISMUS: 159
amblyopia of, adaptometry in, 771
angle of, photography to measure, 154
"chinortho" eyedrops to treat, 485
concomitant, 768
convergent, of acute onset, *55
measuring deviation in, 158
method for recording deviation, **278**
electro-encephalogram in, 484
immature behavior of eyes in, 485
inhibition in, treatment of, **235**
localization to treat, 159
management of, in children, 962
miotics in, 962
nonparalytic, **455**
pleoptic exercises in, 159
pseudo-, with heterotopia of macula, **683**
retinal local signs in, **662**
surgery, anesthesia of sphenoidal fissure in, 485
corneal refraction changes after, 771
in ocular torticollis, 962
use Tenon's capsule in, *15
surgical-orthoptic treatment of, 484
treatment of, 158

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

STRABISMUS *(continued)*
treatment of *(continued)*
latest methods, 484
vertical deviations and, 772
Streptomycin therapy, labyrinthine disturbances and, *74
Stress, effect on retinal metabolism, 146
in eye disease, 157
Stroma, collagen patterns of, **291**
study of, in granular dystrophy of cornea, 1
Sulfacetamide, effect on eye bacteria, **383**
Sulfhydryl groups, in bovine lens, **295**
SURGERY: acute glaucoma as complication of general, **668**
chlorpromazine in, 472
electrocardiographic changes during, 478
eyeball immobilization during, 768
for epithelial invasion of anterior chamber, 479
in deaf and dumb, 472
of lens, 789
peritomy, 476
premedication and, 478, 762, 767
psychologic considerations in, **576**
ptosis: See under Ptosis
Ridley operation: See Ridley implant
Sutures, advances in, **731**
buried silk, in ptosis operations, **282**
corneal, bedside removal of, **111**
in cataract extraction, 789
in iris surgery, 320
retinal, to treat retinal detachment, **553**
Sympathetic ophthalmia, cure of, 166
electron microscopy of, 168
Irgapyrin in, 166
steroid prophylaxis in, *162
Syndromes, chiasm, role internal carotid in, 598
Horner's: See Horner's syndrome
in natives of Australian New Guinea, 609
Lowe's, ocular manifestations of, 797
Marin Amat, 795
Synovioma, of superior oblique, **631**

T

Tay-Sach's disease, *23
Tears, electrophoresis of, **67**
proteins of, Schirmer test and, **116**
Tenon's capsule, in strabismus surgery, *15
Terrien's disease, of cornea, 487
Tetanus, eye care in, 605
THERAPY: antirheumatics in, 961
current for eye lesions, 763
fever, 478
ketosteroids in urine in, 479
shock phase in, 479
study of, 474
nitrogen mustard, 480
tissue, 156, 766
of vascular fundus lesions, 763
with total extracts of eye, 767
Thyroxine, to prevent eye changes after IDPN, **457**
Tissue culture studies of cornea, **720**
Tissues, catalytic activity of, **954**
effect diathermy on, *113
TONOGRAPHY: 492
after cataract extraction, 324
basis and techniques of, 493
clinical, scleral rigidity correction in, **196**
coefficients of, 173
errors in, causes of, 492
in early diagnosis of closed-angle glaucoma, 172
intraocular pressure changes during, **127**
to study normal eyes, 171
TONOMETER: fixation device for Schiøtz, 323
holder for, during tonography, 155
ocular tension changes after application of, **192**
Schiøtz, new calibration scale for, **308**
Tonometry, **126**
advances in, 322
applanation, 783
for senior medical students, 173
Toxocara canis, nematode endophthalmitis and, **853**
Toxoplasma, recovered from human eye, **115**
TOXOPLASMOSIS: 608
chronic, **719**
congenital, 605
in infants, 797
virulence of, **719**
Trabecula, ciliary body attachment to, **189**
function of, mechanistic element in, **189**
meshwork of, hyaluronic acid staining of, **189**
TRACHOMA: antibiotic therapy in, 772
chemotherapy in, 772
classification of, 163
clinical manifestations of, regional differences, 610
corneal papilloma in, 489
dubium, **41, 132**
entropion of: See Entropion
epidemiology of, regional differences, 610
Etazol and Ronidase in, 774
follicles of, virus and, 164
in Australia, 161
in Iran, 778
in Ribeirao Preto, 802
in United States, 611
in USSR, 318
lacrimal duct alteration in, 601
mode onset of, **44**
morphology of inclusion bodies in, **423**
venereal psittacosis and, 749
virus of, culture of, 141
Trephine, modified design of, **112**
Trichloracetic acid, in dermoid cysts, 764
in iris hernias, 764
Tropical diseases, eye complications of, 335
eye manifestations of, 604
eye infections, in Africa, **355**
Trypsin, effect on hyphemas, 755
Tuberculin, in uveitis, 765
Tuberculosis, endophthalmitis due to activation of latent, **403**
examination eyes of infants with, 474
pulmonary, uveitis in, 491
TUMORS: congenital anomalies simulating, *102
cytologic diagnosis after biopsy, 183
diagnosis of optic nerve and orbital, 603
epibulbar melanoma, 184
intraocular, misdiagnosis of, 330
lymphatic, 331
meningioma, ocular signs of, **30**
of cheek, exophthalmos due to, 599
of choroid, **51,** 169, **654,** 780, 781
differential diagnosis of, 491
metastatic, 165
of ciliary body, **835**
of cornea, 779
of conjunctiva, 164
malignant melanomas, **536**
melanotic, 776
of eye, **574**
of eyebrow, 603
of eyelids, blepharoplasty for, 330
of iris, 166, **221, 707**
of limbus, 777
of optic chiasm, 764
of optic nerve, 595, 603
of optic pathways, 596
of orbit, 181, 328, 329, 599, 600
in children, 598
of pituitary, arcuate field defects due to, **505**
of retinal pigment epithelium, **495**
of superior oblique, **631**
of uvea, 319
retinal fold produced by, 326
Tuerk-Duane syndrome, electromyography in, 961
Typhoid therapy, prothrombin level in, 153
vaccine, circulatory reactions to, 765

U

ULCERS: dendritic bilateral, **934**
Mooren's, diathermy coagulation for, 318

Explanation: Numbers in **boldface** refer to Original Articles and Notes, Cases, Instruments. The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

ULCERS *(continued)*
of cornea, glaucoma and, **826**
See also under names of various organs, etc.
Ultrasonic, radiation, 473
Ultrasound, in eye diagnosis, 766
in locating techniques in ophthalmology, **720**
in ophthalmology, 477
Ultraviolet, luminescence, of anterior segment, **924**
Urine, ketosteroids in, influence fever therapy on, 479
Uvea, inflammations of, X-ray therapy in, 492
mast cells in, hormones and, **292**
melanoma of, 319
reticulo-endothelial system of, 165
UVEITIS: **125**
after antisyphilitic therapy, 479
anaphylactic, vitamin B_{12} in experimental, 749
antistreptolysin-O test in, 142
aphthous, 606
chronic, steroids in, **923**
endogenous, **123**
entities of, *251
etiologic diagnosis of, *20
etiology of, 169
focal infection in, 491
gliomatous pseudo, diagnosis of, 439
granulomatous, coccidioidomycosis and, **102**
in childhood, **304**
in pulmonary tuberculosis, **491**
idiopathic, pathogenesis of, 170
lens-induced, *251
leptospiral, 781
pathogeneses of, *251
phacogenic, 170
phacotoxic, *251
posttraumatic, cholesterol crystals in, 780
rheumatic, after cataract extraction, 319
rheumatism and, **127**, 320
systemic collagen disease and, **11**
treatment of, 168
tuberculin in, 765
Uveoretinal blood pressure ratios, 145

V

Vail, Derrick, **735**
Vascular disease, retinal changes in, grading and recording of, *165
Vergence, electromyography to study, 769
Vernal conjunctivitis: See Conjunctivitis, vernal
Vestibulo-ocular system, *74
Virology, of herpes infections, 476
VIRUS: adenovirus, eye infections in Aberdeen, 486
immunity studies in, 750
disease, anterior segment, 472
encephalitis, after herpes zoster, 327
etiology, of retrobulbar neuritis, 793
herpes: See Herpes
infections, of conjunctiva, 749
trachoma: See Trachoma
VISION: binocular, 959
in photogrammetry, 800
monocular stimuli and, 150
new method to study, 960
size and distance in, 150
biophysics of, 471
chart, for ophthalmoscope, 768
disturbance in, due to digitalis, 753
grading of, in infants, 476
hue discrimination in normal, 470
illumination and, 468
low, binocular corrections for, **23**
monocular, size and distance in, 150
retinal local signs in normal, **662**
stereoscopic, 959
subnormal, optical aids for, 758
tests for, after-image, 763
for near, *127
Visual action time, McDougall's measurement, 468
Visual acuity tests, clock as, 960
for near, *127
objective, 150, 155
Visual acuity tests *(continued)*
universal optotypes for, 481
Visual aids, in nonoptical eye abnormalities, 756
Visual apparatus, pituitary-hypothalamus system and, 754
Visual efficiency, estimation loss of, 471
Visual fatigue, fluorescent lights and, 149
VISUAL FIELDS: after hyaline bodies on optic disc, 178
after retinal dazzling, 149
arcuate defects in, due to pituitary tumors, **505**
changes, in retinal ischemia, *79
syndromes associated with, 597
colloid bodies causing defects in, 596
color, contours for perception of, 760
in neurosurgery, diagnostic value of, 327
defects, after lobectomy, 761
in glaucoma, **128**
atypical, 322
in traumatic chorioretinopathy, 332
instrument to study scotopic, 154
spiral, 959
Visual function, scotopic, 147
Visual loss, retinal ischemia and, *79
Visual pathways, in chameleon, **288**
Visual screening, in industry, 477
near tests in, *127
Visual system, of honeybee, **287**
Vitamin B_{12}, in experimental anaphylactic uveitis, 749
in xanthelasma, 761
VITREOUS: 326, 594
cerebral covering by, 140
changes, after air injection, 592
after saline injection, 592
in scurvy, 589, 954
development of, 748
extraction luxated cataract from fluid, **909**
face, after intracapsular cataract extraction, **59**
formation, role vitreous cells in, **291**
hemorrhage, simulated, 954
with sickle-cell disease, **870**
implant, in retinal detachment, 177
in ectodermal dysplasia, *143
proliferations, **127**
protein concentration in, 146
replacement, in retinal detachment, 793
role, in increased ocular tension, 956
steady-state tritiated water in, **929**
structure of, studies on, 952

W-X-Z

Wallerian degeneration, electron microscopy of, **928**
Water, in cornea, 953
Werner's syndrome, *143
Wills Eye Hospital, 125th anniversary, **237**
Wounds, closure in scleral resection, 767
incision, of cornea, influence epithelium on healing of, *29
Xanthelasma, vitamin B_{12} in, 761
Xerophthalmia, surgery of, 329, 486
transplantation of Stensen's duct in, 602
X-potential, clinical recording of, 759
X RAYS: effect on intraocular antigen-antibody reactions, **293**
patterns, of ophthalmic artery, 474
of optic canals, 483
spectacles, red glass, 476
techniques, in treatment of eyeball, 478
THERAPY: in bilateral metastatic carcinoma of choroid, **654**
in iridocyclitis, 168
in iritis, 168
in uveal inflammations, 492
late corneal damage after, *137
to demonstrate optic canal, 157
Zentmayer, William, **945**
Zonule, development of, 748
electron microscopy of, **720**
opacity, in children, 962

INDEX

Authors and Titles

of

Original Articles and Notes, Cases, Instruments

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the **April** issue.

A

ABRAHAMSON, Ira A., Jr., and ABRAHAMSON, Ira A., Sr.: Metreton: A clinical study, **27**
ABRAHAMSON, Ira A., Sr.: See ABRAHAMSON, Ira, A., Jr.
ADLER, Francis Heed: The use of Tenon's capsule in strabismus surgery, *15
ALEXANDRU, Ursu: See BLATT, Nicolas
ALVARO, Moacyr E.: The etiologic diagnosis of uveitis: According to clinical findings over a 10-year period, *20
ANDERSON, Banks, MARGOLIS, George, and LYNN, W. S.: Ocular lesions related to disturbances in fat metabolism, *23
ASBURY, Taylor: See TOUR, Robert L.
ATHANASIU, Mircea: See BLATT, Nicolas
ATKINSON, Walter S.: Peripheral iridotomies: For round-pupil cataract extractions, *41

B

BEAMAN, Thomas C.: See NEWELL, Frank W.
BECKER, Bernard: See MOSES, Robert A.
BECKER, Bernard, and LEY, Albert P.: Epinephrine and acetazolamide: In the therapy of the chronic glaucomas, **639**
BEDROSSIAN, E. Howard: Bilateral sixth-nerve paresis simulating divergence paralysis: And its surgical correction, **417**
BENEDICT, Walter H.: Progressive lamellar radiation cataracts in the newborn mouse: A preliminary report, **822**
BENEDICT, William L.: Angioneurotic edema of the orbit, *43
BERENS, Conrad: The retina: Its role in the speed of perception, **675**; A four-pronged hook: For use in lamellar keratoplasty, **918**
BERENS, Conrad, and CROUCH, C. L.: Is fluorescent lighting injurious to the eyes?, *47
BERGER, Robert: See GALIN, Miles A.
BILLET, Edwin: See GARTNER, Samuel
BINDER, R. F., and SKELLY, J. R.: Device for use in teaching refraction, **921**
BLATT, Nicolas, ALEXANDRU, Ursu, ATHANASIU, Mircea, MURESAN, I., and POPOVICI, V.: Orbital bone involvement: In Besnier-Boeck-Schaumann sarcoid, **407**
BLAYDES, J. Elliott, Jr.: See SIMONTON, John T.
BLODI, Frederick C.: See VAN ALLEN, Maurice W.
BRACONIER, Harry E.: See CHANDLER, Paul A.
BRECHER, Gerhard A., WINTERS, David M., and TOWNSEND, Clark A.: Image alteration for aniseikonia determination, **253**
BROWN, William C., KELLENBERGER, Robert E., and HUDSON, Kenneth E.: Granulomatous uveitis: Associated with disseminated coccidioidomycosis, **102**
BRUELL, Jan H.: Retinal local signs in homonymous hemianopsia, strabismus and normal vision, **662**
BUCKLEY, Eugene T., GREEN, F. M., and NAUHEIM, J. S.: Bilateral ciliary staphyloma: Following cataract extraction: A case report, **906**
BURIAN, Hermann M., and MILLER, James E.: Comitant convergent strabismus with acute onset, *55
BURKE, Grafton E.: See GORDON, Dan M.

C

CADY, Lee D., Jr.: A study of trachoma dubium, **41**
CARBAJAL, Ulysses M.: Observations on retinoblastoma, **391**; An analysis of 142 cases of ptosis, **692**
CARRIKER, Frederick R.: See HOPKINS, Robert E.
CARROLL, Frank D.: See REESE, Algernon B.
CARTER, Robert C.: Intraocular nematodiasis: With special reference to Toxocara canis, the dog ascarid, as a causative agent in nematode endophthalmitis, **853**
CAVKA, V.: Ophthalmoneurologic symptoms caused by lesions of the frontal lobes: A clinical and experimental study, **883**
CHANDLER, Paul A., and BRACONIER, Harry E.: Spontaneous intra-epithelial cysts of iris and ciliary body with glaucoma, *64
CHI, H. H., TENG, C. C., and KATZIN, H. M.: Histopathology of primary endothelial-epithelial dystrophy of the cornea, **518**
CHRISTY, N. E.: Chemically caused striate keratitis: Due to the introduction of a wetting agent into the anterior chamber during cataract surgery, **712**
CLIFFORD, George O.: See ISBEY, Edward K., Jr.
COGAN, David G.: Some objective and subjective observations on the vestibulo-ocular system, *74
CONSTANT, Merguerite A.: In vitro lens studies: I. Technique and preliminary results of maintenance of lens culture for 24 hours, **372**
CORDES, Frederick C.: Retinal ischemia with visual loss: Report of five cases, *79
COVELL, Lester L.: Glaucoma induced by systemic steroid therapy, **108**
CROUCH, C. L.: See BERENS, Conrad
CURY, Dahar: Metastatic carcinoma of the iris, **221**
CUTLER, William M.: See WOLTER, J. Reimer

D

DAVIS, C. Truman: Procedure for removing foreign material: From the posterior layers of the cornea: with an illustrative case report, **569**
DAVIS, F. Sterling, Jr.: See KURLAND, Leonard T.
DUKE, James R.: See WELCH, Robert B.
DUNNINGTON, John H., and WEIMAR, Virginia: Influence of the epithelium on the healing of corneal incisions, *89
DUNPHY, Edwin B.: Report on the diathermy treatment of retinoblastoma, *95
DYER, John A., and HENDERSON, John W.: Orbitonometry in unilateral exophthalmos, **208**

E

ELLES, Norma B.: Hôpital Albert Schweitzer, Haiti, West Indies, **849**
EMERSON, Eugene: Retinitis: Pigmentosa or rubella? **93**
ESCAPINI, Humberto: Pterygium excision, **879**
EVELYN, Kenneth A., NICHOLLS, John V. V., and TURNBULL, W.: A method of grading and recording: The retinal changes in essential hypertension, *165

F

FAIR, John R:. Tumors of the retinal pigment epithelium, **495**
FEENEY, M. Lynette: See McEWEN, W. K.
FLORESTANO, H. J.: Solution Dyclone: A self-sterilizing topical anesthesia for ophthalmic use, **671**
FLOYD, Glen: See THEOBALD, Georgiana D.
FONDA, Gerald: Binocular corrections for low vision: Rationale for rule of thumb decentration, **23**
FRIEDMAN, M. Wallace, and GOOD, Malcolm: A new device for rotating the slitbeam: For use in slitlamp gonioscopy of the horizontal meridians, **920**
FRY, Wilfred E.: See PAUL, Satya Dev
FUORTES, Michelangelo, G. F.: See von SALLMANN, Ludwig

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the April issue.

G

GALIN, Miles A., and BERGER, Robert: Atopy and keratoconus, 904
GARTNER, Samuel and BILLET, Edwin: Acute glaucoma as a complication of general surgery, 668; A study on mortality rates: During general anesthesia for ophthalmic surgery, 847
GIBSON, Glen G.: See ZIMMERMAN, Lorenz E.
GOAR, Everett L.: Postoperative hyaloid adhesions to the cornea, *99
GOLDSMITH, A. J. B.: Bibliography of Sir Stewart Duke-Elder, *10
GOOD, Malcolm: See FRIEDMAN, M. Wallace
GORDON, Dan M., and BURKE, Grafton E.: Dicumarol in retinitis pigmentosa, 666
GREEN, F. M.: See BUCKLEY, Eugene T.
GRIMES, Patricia: See von SALLMANN, Ludwig
GUERRY, DuPont, III: See LIEB, Wolfgang A.

H

HAGEDOORN, A.: Subretinal cellular deposits: In melanoblastoma of the choroid, 705
HAGEDOORN, A., and SALIM, I.: Disseminated pigmentary deposits: In melanoblastoma of the choroid, 51
HARLEY, R. D.: Filaria loa: Report of a case, 901
HARLOWE, H. D.: Buffalo-berry thorn in the eye, 235
HARTSTEIN, Jack: Newer corneal types of contact lenses, 919
HAVENER, William H.: Schepens' binocular indirect ophthalmoscope, 915
HEATH, Parker: A congenital anomaly simulating tumor, *102
HENDERSON, John W.: See DYER, John A.
HILTON, George F.: Universal slitlamp attachment: For plotting unilateral central scotomas, 913
HOGAN, Micheal J.: Lamellar keratoplasty for herpes febrilis ulceration of the cornea, *106
HOLLAND, Malvern C.: Siderosis bulbi and its spontaneous clearing: A review and case report, 259
HOLLENHORST, Robert W.: See WAGENER, Henry P.
HOLMAN, Melvin V.: See LORHAN, Paul H.
HOLT, L. Byerly: See MOON, T. Elmer
HOPKINS, Robert E., and CARRIKER, Frederick R.: Malignant melanoma of the ciliary body, 835
HUDSON, Kenneth E.: See BROWN, William C.

I

IRVINE, S. Rodman, and KNOLL, Henry A.: The thermal effect on ocular tissues: Of surgical diathermy currents with frequencies used in treatment of detached retina, *113
IRWIN, Edward S.: See SNELL, Albert C., Jr.
ISBEY, Edward K., Jr., TANAKA, Kouichi R., and CLIFFORD, George O.: Vitreous hemorrhage: Associated with sickle-cell trait and sickle-cell hemoglobin-C disease, 870
ISOLA, W., and STARK, Berta: Inhibition in strabismus and a new method of treatment, 235

J

JERVEY, J. W., Jr.: Postoperative care of retinal detachment, 544

K

KARPE, Gösta, and ZETTERSTRÖM, Birgitta: Congenital retinal dysfunction, 249
KATZIN, H. M.: See CHI, H. H.
KEARNS, Thomas P., and RUCKER, C. Wilbur: Arcuate defects in the visual fields due to chromophobe adenoma of the pituitary gland: Clinics in perimetry, No. 1, 505
KEIZER, John P.: See SWAN, Kenneth C.
KELLENBERGER, Robert E.: See BROWN, William C.
KERPELMAN, Larry C.: See KURLAND, Leonard T.
KIMURA, Samuel J.: See McEwen, W. K.
KIRK, Harold Q.: See THEOBALD, Georgiana D.
KNOLL, Henry A.: An experimental investigation of the basic phenomena of retinopexy: Part I. Electrical impedance measurements, 547. See also IRVINE, S. Rodman
KOKE, Martin P.: Akinesia of the orbicularis oculi, 442
KORNBLUETH, Walter, and NELKEN, Edith: Partial lamellar corneal grafts in rabbits: Histologic observations on the survival of the stromal cells of the lamellar corneal graft, 242; A study on donor recipient sensitization: In experimental homologous partial lamellar corneal grafts, 943
KUCHLE, H. J., REMKY, H., and SATTLER, R.: Diagnosis of gliomatous pseudo-uveitis, 439
KURLAND, Leonard T., SACHS, David, KERPELMAN, Larry C., and DAVIS, F. Sterling, Jr.: Evaluation of the "phosphenator" device: For the detection of increased intraocular pressure, 272

L

LANGLEY, Robert K., and McCULLOCH, Clement: The presence of hyaluronidase in the anterior chamber, 65
LEBENSOHN, James E.: Visual acuity tests for near: Implications and correlations, *127
LEIBOLD, Angela M., and SUIE, Ted: In vitro effects of sulfacetamide: On ocular strains of bacteria, 383
LEOPOLD, Irving H.: The Wills Eye Hospital: The 125th anniversary of its founding, 237
LEWALLEN, William M., Jr.: Lid retraction syndrome: Due to "secondary deviation", 565
LEWIS, Earl L.: Protective corneal lens for prolonged procedures, 922
LEWIS, Philip Meriwether, and ZIMMERMAN, Lorenz E.: Delayed recurrences of malignant melanomas of the bulbar conjunctiva, 536
LEY, Albert P.: See BECKER, Bernard
LIEB, Wolfgang, and GUERRY, DuPont, III: Fundus changes in incontinentia pigmenti: (Bloch-Sulzberger syndrome), 265
LORHAN, Paul H., and HOLMAN, Melvin V.: Cyclizine (Marezine®) hydrochloride: For postoperative control of nausea and vomiting following cataract surgery, 446
LYLE, Donald J.: Compression atrophy of the optic nerve: With discussion of nerve degeneration and regeneration, *133
LYNN, W. S.: See ANDERSON, Banks

M

MACRI, Frank: See von SALLMANN, Ludwig
McCULLOCH, Clement: See LANGLEY, Robert K.
McDONALD, P. Robb: The surgical complications of primary glaucoma, *157
McEWEN, W. K., KIMURA, Samuel J., and FEENEY, M. Lynette: Filter-paper electrophoresis of tears: III. Human tears and their high molecular weight components, 67
McLEAN, John M.: Steroid prophylaxis in sympathetic ophthalmia, *162
MANN, William A., and WATT, Russell H.: Late corneal damage following X-ray therapy: Report of two cases, *137
MARGOLIS, George: See ANDERSON, Banks
MARSHALL, Don: Ectodermal dysplasia: Report of a kindred with ocular abnormalities and hearing defect, *143
MARSHALL, W. J.: Interesting medical records on the optic chiasm, 283
MAUDGAL, M. C.: See NIRANKARI, M. S.
MAYER, Leo J., and NASSAR, Jamil G.: Metastatic carcinoma of the iris, 707
MILLER, James E.: See BURIAN, Hermann M.
MIYAZAKI, Sigeo: See OHASHI, Kohei
MOON, T. Elmer, and HOLT, L. Byerly: Modified trephine design, 112; Modern engineering looks at keratoplasty, 571
MORI, Naoyuki: Morphology of inclusion bodies: In trachoma and inclusion conjunctivitis, 423
MOSES, Robert A., and BECKER, Bernard: Clinical tonography: The scleral rigidity correction, 196
MURESAN, I.: See BLATT, Nicolas

N

NASSAR, Jamil G.: See MAYER, Leo J.
NAUHEIM, J. S.: See BUCKLEY, Eugene T.

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the April issue.

NELKEN, Edith: See KORNBLUETH, Walter
NEWELL, Frank W., and BEAMAN, Thomas C.: Ocular signs of meningioma, 30
NICHOLLS, John V. V.: See EVELYN, Kenneth A.
NILSSON, Lars-Bertil, RENDAHL, Ilmari, and STROMBERG, H. Eugen: Retinal arteriospasm in polycythemia vera, 358
NIRANKARI, M. S., and MAUDGAL, M. C.: Bourneville's syndrome (tuberous sclerosis): A case report, 110

O

OHASHI, Kohei: Improved ptosis operation with buried silk sutures, 282
OHASHI, Kohei, MIYAZAKI, Sigeo, and YAMADA, Haruo: Test for retinal function and glaucoma: By measuring macular capillary blood pressure, 71
O'MEARA, R. A. Q.: See SOMMERVILLE-LARGE, L. B.
ORMSBY, Hugh L.: Keratoplasty for herpetic keratitis, *179

P

PAUL, Satya Dev, and FRY, Wilfred E.: Retinal sutures: An experimental evaluation for treatment of detachment of the retina, 553
PAVIA LIJÓ, J. J.: Concomitant squint: Method of recording the deviation, 278
PAYNE, Brittain Ford: Epithelization of the anterior segment: After cataract extraction, *182
PICÓ, Guillermo: Recent advances in the management of retinal detachment, 227
POPOVICI, V.: See BLATT, Nicolas
POSNER, Adolph: Use of a new carbonic anhydrase inhibitor (Cardrase) in glaucoma, 225
POST, Lawrence T., and POST, Lawrence T., Jr.: The management of second-decade cataracts, *184
POST, Lawrence T., Jr.: See POST, Lawrence T.
POST, M. Hayward: Refraction: Some practical suggestions, *187
PRITIKIN, Roland I.: Anophthalmos, 714

R

RADOS, Walter T., and SCHOLZ, Roy O.: Pseudostrabismus with heterotopia of the macula, 683
REEH, Merrill J.: Angle-closure glaucoma, 444. See also STEVENS, Ralph W.
REESE, Algernon B.: Exenteration of the orbit: With transplantation of the temporalis muscle, 386
REESE, Algernon B., and CARROLL, Frank D.: Optic neuritis following cataract extraction, 659
REESE, Algernon B., and STRAATSMA, Bradley R.: Retinal dysplasia, *199
REMKY, H.: See KUCHLE, H. J.
RENDAHL, Ilmari: See NILSSON, Lars-Bertil
RIISE, Per: Long-term prognosis in glaucoma surgery, 807
RIZZUTI, A. Benedict: A lens forceps with iris retractor: For round-pupil cataract operation, 277
RODGER, F. C.: Eye diseases in the African continent, 343
deROETTH, Andrew F.: The vitreous face following intracapsular extraction, 59
RONES, Benjamin: A mechanistic element in trabecular function, 189
RUCKER, C. Wilbur: See KEARNS, Thomas P.
RUEDEMANN, A. D.: Evisceration with retention of the cornea, 433

S

SACHS, David: See KURLAND, Leonard T.
SALIM, I.: See HAGEDOORN, A.
von SALLMANN, Ludwig, FUORTES, Michelangelo, G. F., MACRI, Frank J., and GRIMES, Patricia: Study of afferent electric impulses induced by intraocular pressure changes, *211
SALUS, Robert: A contribution to the diagnosis of arteriosclerosis and hypertension, 81
SATTLER, R.: See KUCHLE, H. J.
SAUER, John: A corneal debrider, 448
SCHEIE, Harold G.: Retraction of scleral wound edges: As a fistulizing procedure for glaucoma, *220
SCHOLZ, Roy O. See RADOS, Walter T.
SIMONTON, John T., and BLAYDES, J. Elliott, Jr.: Bedside removal of corneal sutures, 111
SKELLY, J. R.: See BINDER, R. F.
SMITH, Vernon L.: Extraction of posteriorly luxated cataract from fluid vitreous, 909
SMITH, William A.: Boeck's sarcoid of the orbit: Report of a case receiving questionable benefit from steroid therapy, 567
SNELL, Albert C., Jr., and IRWIN, Edward S.: Hereditary deep dystrophy of the cornea, 636
SOMERVILLE-LARGE, L. B., and O'MEARA, R. A. Q.: Malignant synovioma of the superior oblique, 631
STARK, Berta: See ISOLA, W.
STEIN, Lester: Circline fluorescent tube keratograph, 106; Fluorescent lamp examining unit: Combining black and white light, 279
STEVENS, Ralph W., and REEH, Merrill J.: Bilateral metastatic carcinoma of the choroid: Report of two cases treated with X-ray therapy, 654
STOCKER, Frederick W.: On changes in intraocular pressure after application of the tonometer: In the same eye and in the other eye, 192
STONE, Howard H.: See WOODS, Alan C.
STRAATSMA, Bradley R.: See REESE, Algernon B.
STROMBERG, H. Eugen: See NILSSON, Lars-Bertil
SUGAR, H. Saul: Coats' disease: Telangiectatic or multiple vascular origin?, 508
SUIE, Ted: See LEIBOLD, Angela M.
SWAN, Kenneth C., and KEIZER, John P.: Levator advancement and resection without tarsectomy for blepharoptosis, *229

T

TAMLER, Edward: Large aberrant macular vessels, 108
TANAKA, Kouichi R.: See ISBEY, Edward K., Jr.
TENG, C. C.: See CHI, H. H.
THEOBALD, Georgiana Dvorak: Acute tuberculous endophthalmitis: Report of a case, 403
THEOBALD, Georgiana D., FLOYD, Glen, and KIRK, Harold Q.: Hyperplasia of the retinal pigment epithelium: Simulating a neoplasm: Report of two cases, *235
THEODORE, Frederick H.: The treatment of ocular allergy, 435
THYGESON, Phillips: Cytologic observations on herpetic keratitis, *240
TOUR, Robert L., and ASBURY, Taylor: Overcorrection of esotropia: Following bilateral five-mm. medial rectus recession, 644
TOWNSEND, Clark A.: See BRECHER, Gerhard A.
TSUTSUI, Jun: Problems on the mode of onset of trachoma, 44
TURNBULL, W.: See EVELYN, Kenneth A.

V

VAIL, Derrick: Stewart Duke-Elder, *5
VAN ALLEN, Maurice W., and BLODI, Frederick C.: Retinal artery blood pressure changes: With compression or ligation of the carotid arteries, 364
VERHOEFF, F. H.: A case of ligneous conjunctivitis now 36 years in duration, *246

W

WAGENER, Henry P., and HOLLENHORST, Robert W.: The ocular lesions of temporal arteritis, 617
WATT, Russell H.: See MANN, William A.
WEIMAR, Virginia: See DUNNINGTON, John H.
WELCH, Robert B., and DUKE, James R.: Lesions of the lids: A statistical note, 415
WINTERS, David M.: See BRECHER, Gerhard A.
WOLTER, J. Reimer, and CUTLER, William M.: Granular dystrophy of the cornea: A histopathologic study of a case, 1
WOODS, Alan C.: Disputed pathogeneses and entities in uveitis: The XIIth Francis I. Proctor Lecture, *251
WOODS, Alan C., and STONE, Howard H.: A clinical and electrophoretic study of patients with uveitis:

The asterisk (*) preceding the page number indicates that the paper was published in Part II of the April issue.

With reference to the possible association of systemic collagen disease, 11
WORST, J. G. F.: Method for removal of nonmagnetic foreign bodies, 911

Y

YAMADA, Haruo: See OHASHI, Kohei

Z

ZETTERSTROM, Birgitta: See KARPE, Gösta
ZIMMERMAN, Lorenz E.: See LEWIS, Philip Meriwether
ZIMMERMAN, Lorenz E., and GIBSON, Glen G.: Clinical pathologic conference, 826

COLOR ILLUSTRATIONS

VOLUME 45

JANUARY-JUNE, 1958

* * *

METRETON: A CLINICAL STUDY. Ira A. Abrahamson, Jr., and Ire A. Abrahamson, Sr. ..... facing pages 28 and 29
A MECHANISTIC ELEMENT IN TRABECULAR FUNCTION. Benjamin Rones ..... facing page 189
EYE DISEASES IN THE AFRICAN CONTINENT. F. C. Rodger ..... facing page 343
AT THE ASCOT RACES AND AN APPROPRIATE AUTO LICENCE. Sir Stewart Duke-Elder issue ..... April, Part II, facing page *8
OCULAR LESIONS RELATED TO DISTURBANCES IN FAT METABOLISM. Banks Anderson, George Margolis, and W. S. Lynn ..... April, Part II, facing page *32
A CASE OF LIGNEOUS CONJUNCTIVITIS NOW 36 YEARS IN DURATION. F. H. Verhoeff ..... April, Part II, facing page *248